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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/763,448

01/23/2004

Luis Felipe Cabrera

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06/16/2009

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EXAMINER

DAILEY, THOMAS J

ART UNIT

PAPER NUMBER

2452

MAIL DATE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Supplemental
Notice of Allowability**

Application No.

10/763,448

Applicant(s)

CABRERA ET AL.

Examiner

Thomas J. Dailey

Art Unit

2452

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed September 11, 2008.
2. ☒ The allowed claim(s) is/are 1,3-15,17,18,23-26 and 34-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

/Dohm Chankong/
Primary Examiner, Art Unit 2452

DETAILED ACTION

1. Claims 19-22 and 27-31 were cancelled by the amendment filed 9/11/2008.
2. Claims 1-18, 23-26, and 23-43 are pending.
3. Note, this action corrects an error in the previous actions Index of Claims, Notice of Allowance, and PTOL Issue classification. Claims 19-22 and 27-31 were cancelled by the amendment filed 9/11/2008, but previously mailed forms did not indicate such and with this action corrects that error.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
5. Authorization for this examiner's amendment was given December 5, 2008 by Gregory Lunt after he had reviewed a faxed copy of the examiner's amendment provided on December 3, 2008.
6. Generally, the independent claims (claims 1, 18, and 34) have been amended to include the limitations of dependent claims 2 and 16. Claim 18 was further amended to include subject matter akin to that that is recited in claim 1.
7. Claims 2, 16, and 32-33 are cancelled.
8. Underlined text indicates added language and stuck through text indicates deletions.

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9. The application, specifically claims 1, 2, 16-18, and 32-34, has been amended as follows:

Claim 1. (Currently Amended) In a network environment that includes a receiving computing system capable of receiving messages including Simple Object Access Protocol (SOAP) envelopes from other computing systems in the network environment, the receiving computing system including a dispatching mechanism that dispatches a received message to groups of one or more methods for further processing, a method for the dispatching mechanism to dispatch a received message without having direct access to at least a portion of information relevant for the dispatch, the information not being included in the message as received by the receiving computing system, the method comprising the following:

an act of receiving a message including a Simple Object Access Protocol (SOAP) envelope at the receiving computing system;

an act of passing the received message through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the passing of the received message to the dispatching mechanism occurring within the receiving computing system, each of the receiving path components in the receiving path being components of the receiving computing system;

an act of at least one of the one or more receiving path components modifying the message with at least one modification, the modification including adding information **a SOAP header with additional information** not included in the received message, that is relevant to the dispatch of the message, ~~the information being added during the modification by the dispatching mechanism,~~ the information being used by the dispatching mechanism to dynamically dispatch the message; ~~to an appropriate message processing method selected from a group of message processing methods, the methods being configured to process the content of the message according to the type of information included in the message;~~

an act of the dispatching mechanism receiving the modified message from the receiving path within the receiving computing system;

an act of the dispatching mechanism evaluating the added information **and accessing a dispatch rule that references the added information** relevant to the dispatch of the message **and the dispatch rule** to determine an appropriate **group of** message processing methods ~~s~~ based on those portions of **both the added** information added to the modified message **and the dispatch rule**; and

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information **and the dispatch rule** to dynamically dispatch the message to an **the group of** appropriate message processing methods ~~s~~ selected from the group of message processing methods

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within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

Claim 2. (Cancelled)

Claim 16. (Cancelled)

Claim 17. The method in accordance with Claim ~~46~~ 1, wherein the dispatch rule is expressed using one or more XPATH statements.

Claim 18. (Currently Amended) A computer program product for use in a network environment that includes a receiving computing system capable of receiving messages including Simple Object Access Protocol (SOAP) envelopes from other computing systems in the network environment, the receiving computing system including a dispatching mechanism that dispatches a received message to groups of one or more methods for further processing, the computer program product for performing a method for the dispatching mechanism to dispatch a received message without having direct access to at least a portion of information relevant for the dispatch, the

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information not being included in the message as received by the receiving computing system, the computer program product comprising one or more recordable-type computer-readable media having thereon computer-executable instructions that, when executed by one or more processors of the computing system, cause the computing system to perform the following:

an act of accessing a received message **including a Simple Object Access Protocol (SOAP) envelope**, the message being received at the receiving computing system;

an act of providing the received message through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the providing of the received message to the dispatching mechanism occurring within the receiving computing system, each of the receiving path components in the receiving path being components of the receiving computing system;

an act of a receiving path component modifying the received message with at least one modification, the modification including adding ~~information a~~ **SOAP header with additional information** that is not included in the received message, that is relevant to the dispatch of the message, ~~the information being added during the modification by the dispatching mechanism,~~ the information being used by the dispatching mechanism to dynamically dispatch the message; ~~to an appropriate message processing method selected from a group of~~

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~~message processing methods, the methods being configured to process the content of the message according to the type of information included in the message;~~

an act of the dispatching mechanism evaluating the added information **and accessing a dispatch rule that references the added information** relevant to the dispatch of the message **and the dispatch rule** to determine an appropriate **group of** message processing methods **s** based on ~~these portions of~~ **both the added** information added to the modified message **and the dispatch rule**; and

~~an act of providing the modified message at least indirectly through one or more other receiving path components within the receiving computing system to the dispatching mechanism so that the dispatching mechanism, based on the information obtained in the modification may use the obtained information to dynamically dispatch the message to an appropriate message processing method selected from the group of message processing methods within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.~~

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information and the dispatch rule to dynamically dispatch the message to the group of appropriate

message processing methods within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

Claims 32-33. (Cancelled)

Claim 34. (Currently Amended) A computing system **capable of receiving messages including Simple Object Access Protocol (SOAP) envelopes from other computing systems in the network environment**

comprising the following:

one or more processors;

system memory;

a dispatch mechanism that dispatches a received message to groups of one or more methods for further processing;

one or more computer-readable media having thereon computer-executable instructions that, when executed by the one or more processors, causes the computing system to perform the following:

an act of receiving a message **including a Simple Object Access Protocol (SOAP) envelope** at the receiving computing system;

an act of passing the received message through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the passing of the received message to the dispatching mechanism occurring within the ~~receiving~~ computing system, each of the receiving path components in the receiving path being components of the ~~receiving~~ computing system;

an act of at least one of the one or more receiving path components modifying the message with at least one modification, the modification including adding information **a SOAP header with additional information** not included in the received message, that is relevant to the dispatch of the message, ~~the information being added during the modification by the dispatching mechanism,~~ the information being used by the dispatching mechanism to dynamically dispatch the message; ~~to an appropriate message processing method selected from a group of message processing methods, the methods being configured to process the content of the message according to the type of information included in the message;~~

an act of the dispatching mechanism receiving the modified message from the receiving path within the ~~receiving~~ computing system;

an act of the dispatching mechanism evaluating the added information **and accessing a dispatch rule that references the added information** relevant to the dispatch of the message **and the dispatch rule** to determine an appropriate **group of** message processing methods **s** based on ~~these portions of~~

both the added information ~~added~~ to the modified message **and the dispatch rule**; and

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information **and the dispatch rule** to dynamically dispatch the message to an **the group of** appropriate message processing methods ~~selected from the group of message processing methods~~ within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

Allowable Subject Matter

10. Claims 1, 3-15, 17, 18, 23-26, and 34-43 are allowed.
11. The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or suggest all limitations of the claimed invention with particular emphasis on an act of passing a received message including a Simple Object Access Protocol (SOAP) envelope through one or more receiving path components that are positioned in the receiving path of the message prior to being passed to the dispatching mechanism, the passing of the received

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message to the dispatching mechanism occurring within the receiving computing system; and

an act of the dispatching mechanism evaluating added information and accessing a dispatch rule that references the added information including a SOAP header relevant to the dispatch of the message and the dispatch rule to determine an appropriate group of message processing methods based on both the added information to the modified message and the dispatch rule; and

based on the information obtained in the modification, an act of the dispatching mechanism using the obtained information and the dispatch rule to dynamically dispatch the message to the group of appropriate message processing methods within the receiving computing system for further processing, the dispatching comprising transferring the modified received message to the group of message processing methods within the receiving computing system for further specialized message content processing based on the type of information included in the modification.

12. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas J. Dailey whose telephone number is 571-270-1246. The examiner can normally be reached on Monday thru Friday; 9:00am - 5:00pm.
14. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
15. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. J. D./
Examiner, Art Unit 2152

/Dohm Chankong/
Primary Examiner, Art Unit 2452